Table 5-16. Concentration of COCs Detected in Area H Surface Soils

Analyte	# of Samples Collected	# of Detections	Range of Detections	Mean[1/] Value	Median[2/] Value	Standard[3/] Deviation
Dioxin/Furan as 2,3,7,8-TCDD (TEQ) (ng/kg)	2	2	6.24-21.70	13.97	13.97	10.9
TOC (%)	6	6	3.9-19.5	12.7	13.8	6.5
Metals (mg/kg)						
Arsenic	2	2	4 CFJ - 4 CFJ	4	4	0
Barium	2	2	38-48	43	43	7
Cadmium	2	1	0.9 J	na	na	na
Chromium	2	2	42-94	68	68	37
Copper	2	2	27-30	29	29	2.1
Lead	2	2	19 CF-54 CF	37	37	25
Mercury	2	1	2	na	na	na
Nickel	2	2	27-27	27	27	0
Zinc	2	2	59-69	64	64	7
EPH						
C10-C22	2	2	91-107	99	99	11.3
C19-C36	2	2	315-361	338	338	32.5
Diesel (DRO) (mg/kg)	1	1	287	na	na	na
Oil (RRO) (mg/kg)	4	4	177-1500	674.8	511	593
PAH as benzo(a)pyrene TEQ (mg/kg)	2	2	0.55-0.550*	0.55	0.55	0

Notes: TEQ = Toxicity equivalency quotient

MRL = Method reporting limit

C = The MRL is elevated because the sample required diluting.

F = The MRL is elevated because of matrix interferences and because the sample required diluting

J = Estimated concentration

O = Quantitated as diesel. The sample contained an oil component that partially eluted in the diesel range.

na = not applicable

1/ Sample arithmetic mean. Includes non-detect data assigned one-half the MDL.
2/ Sample median. Includes non-detect data assigned one-half the MDL.
3/ Sample arithmetic standard deviation. Includes non-detect data assigned one-half the MDL.

* PAH TEQ calculated from values derived from EPH analysis.